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In re Patent Application of:

WALLACE

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Attorney Docket No.: **20-430** Technology Center 2600

Title: **MOBILE ACTIVITY STATUS TRACKER**

May 29, 2001

SUBMISSION OF FORMAL DRAWINGS

Director of US Patent and Trademark Office
Washington, DC 20231

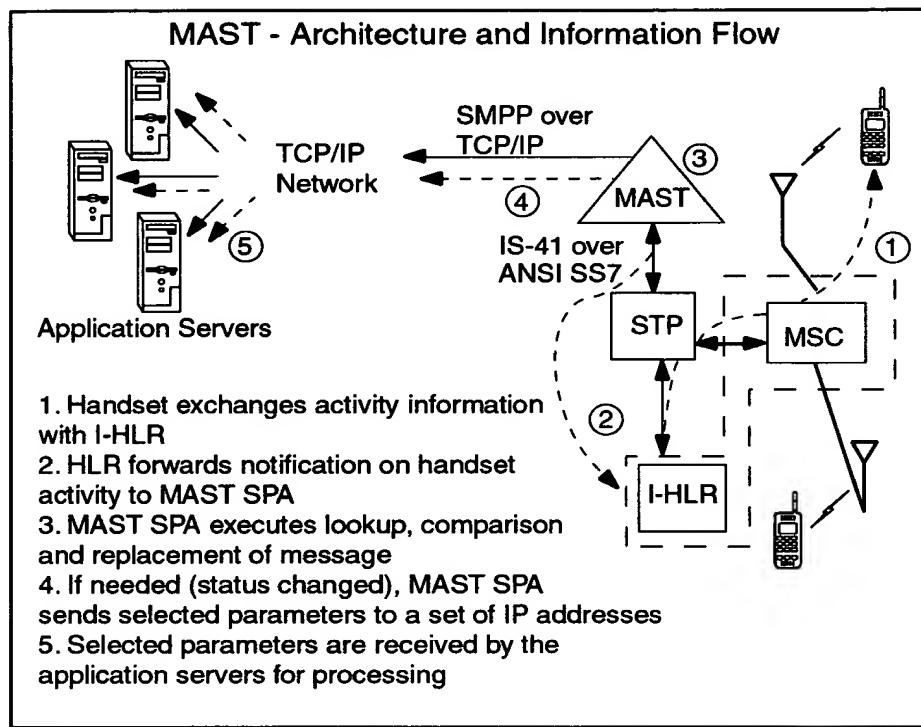
Sir:

Please accept the herewith 14 sheets of formal drawings on A4 size paper of Figures 1 through 11, which are in lieu of the informal drawings filed earlier.

Respectfully submitted,

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MAST Architecture and Information Flow

FIG. 1

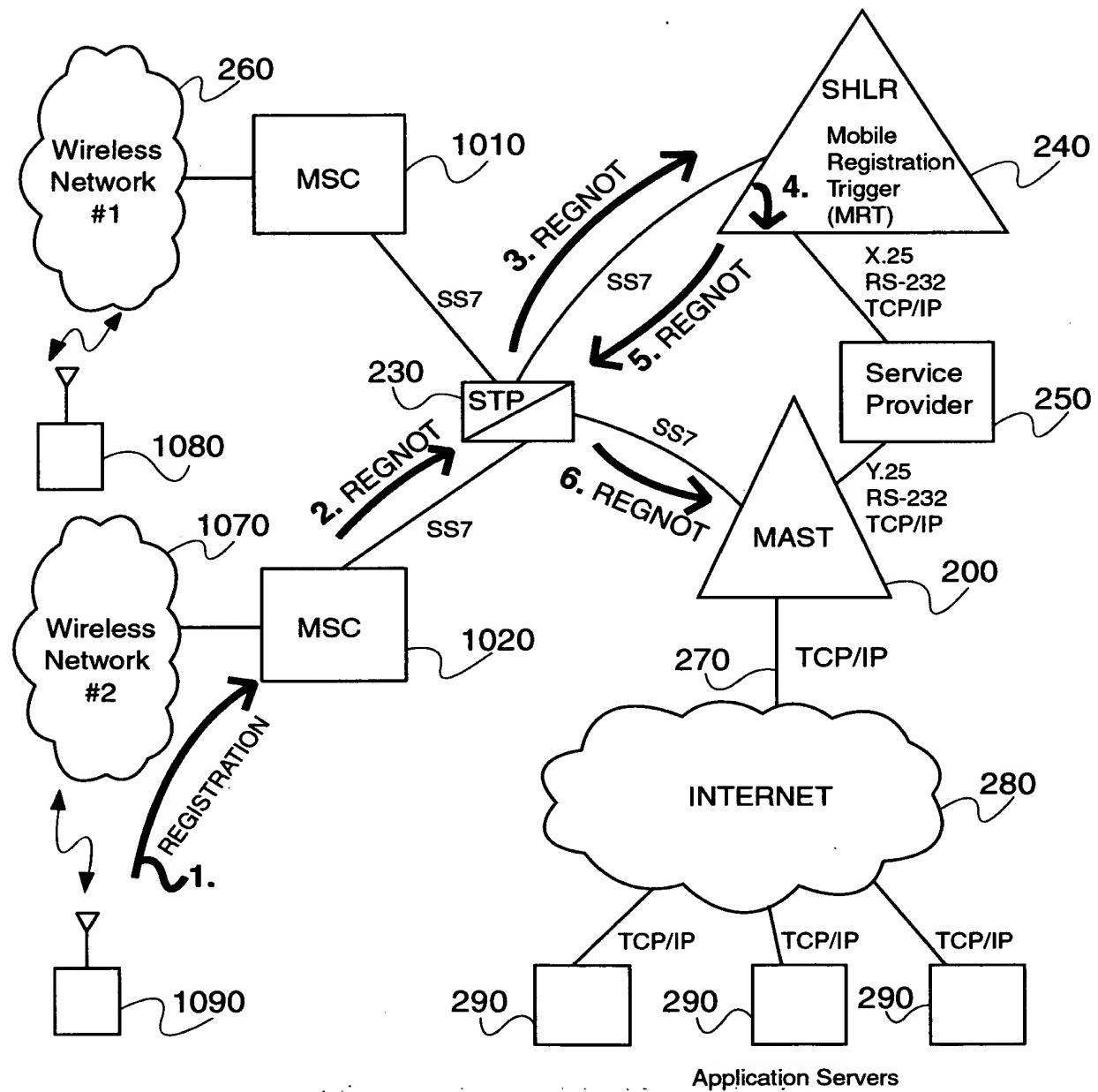


FIG. 2

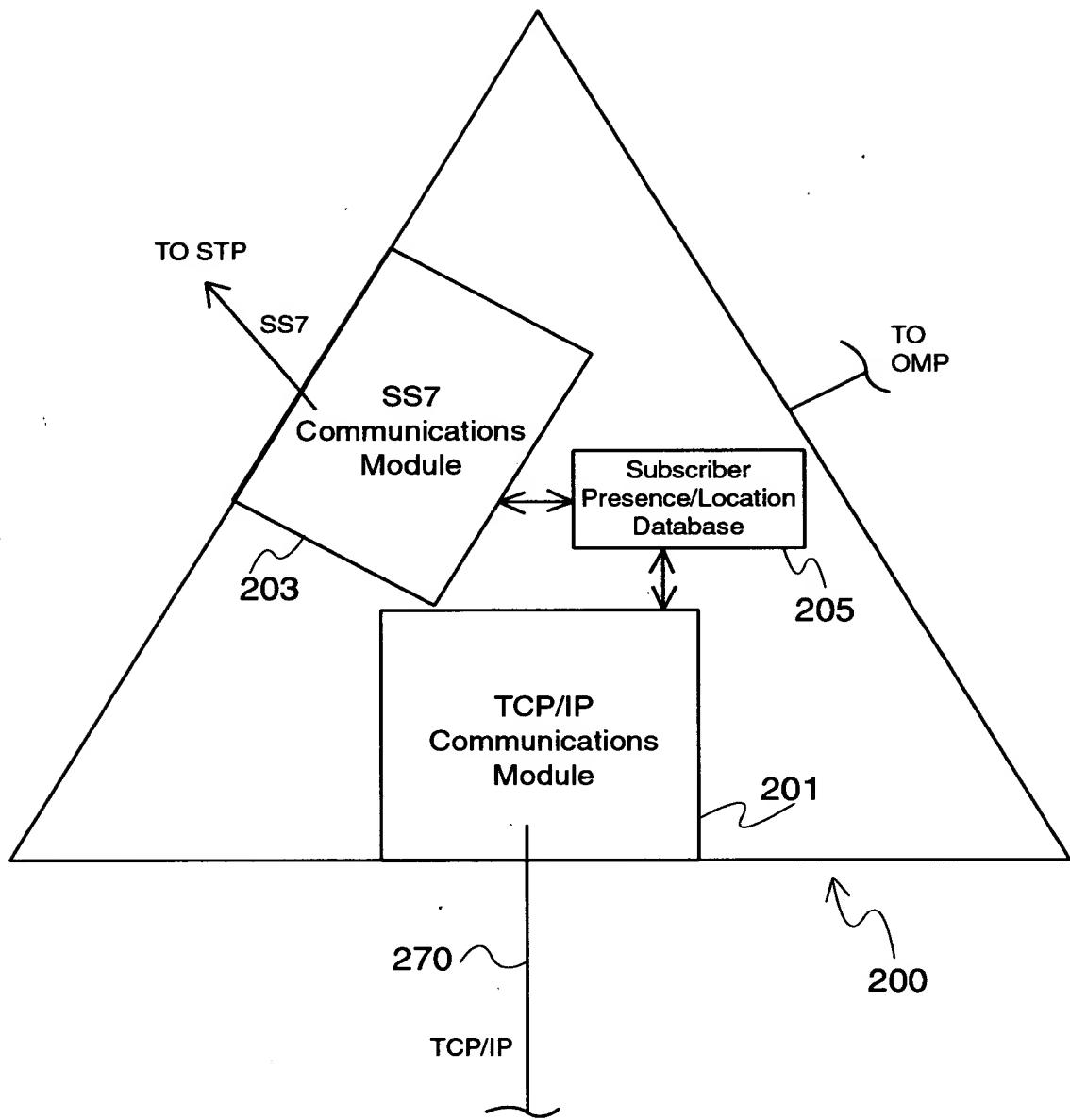


FIG. 2A

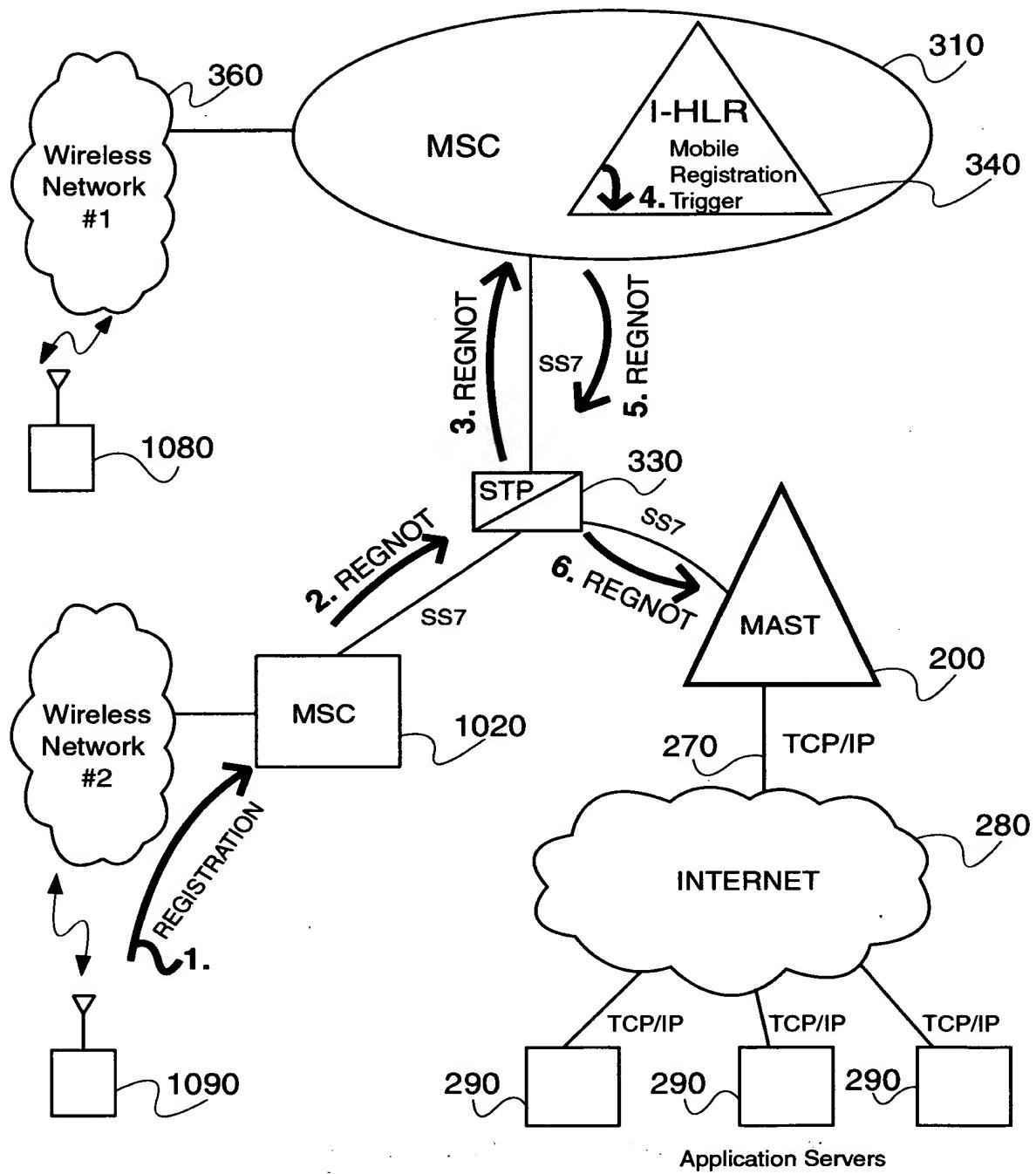


FIG. 3

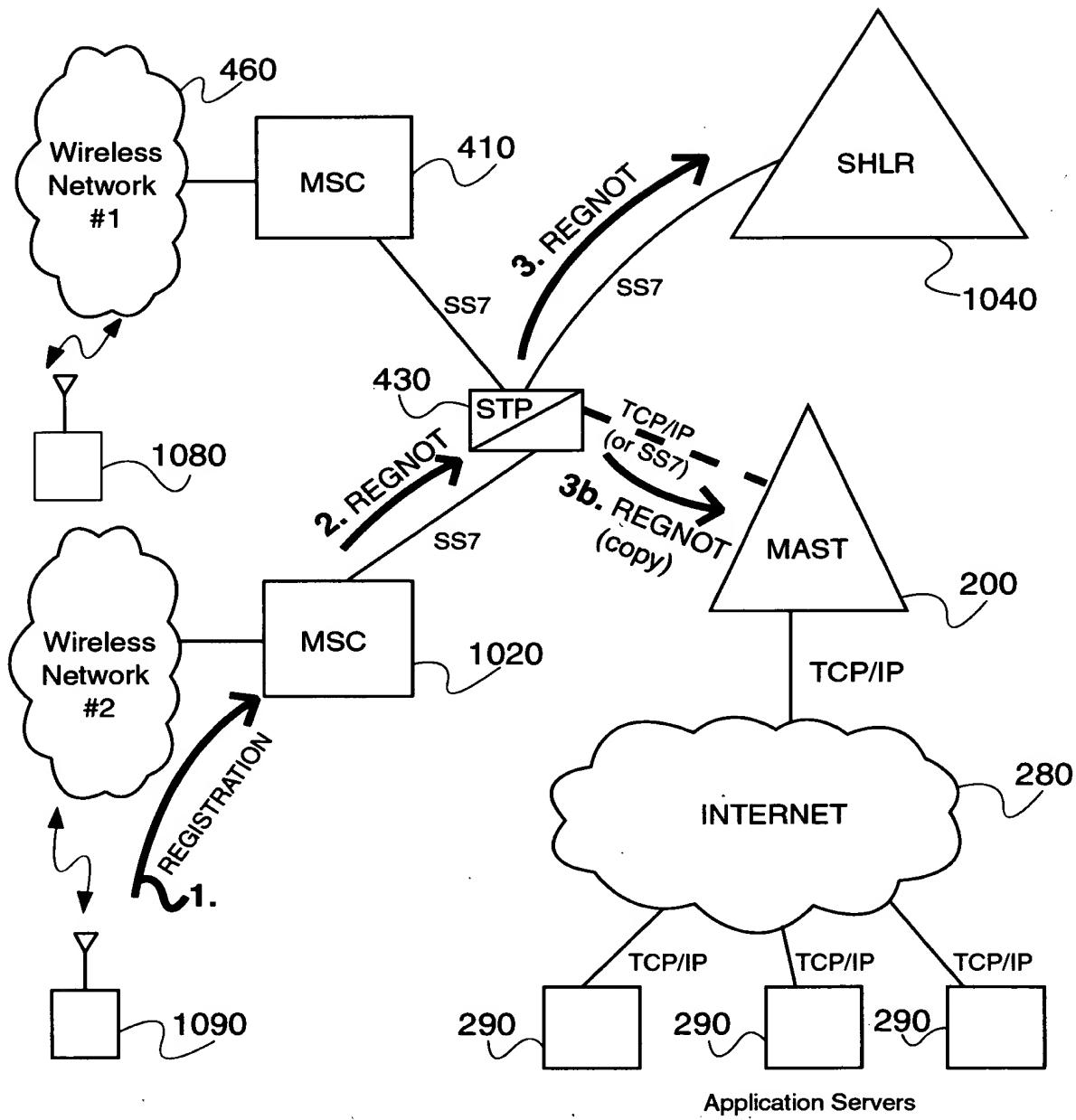


FIG. 4

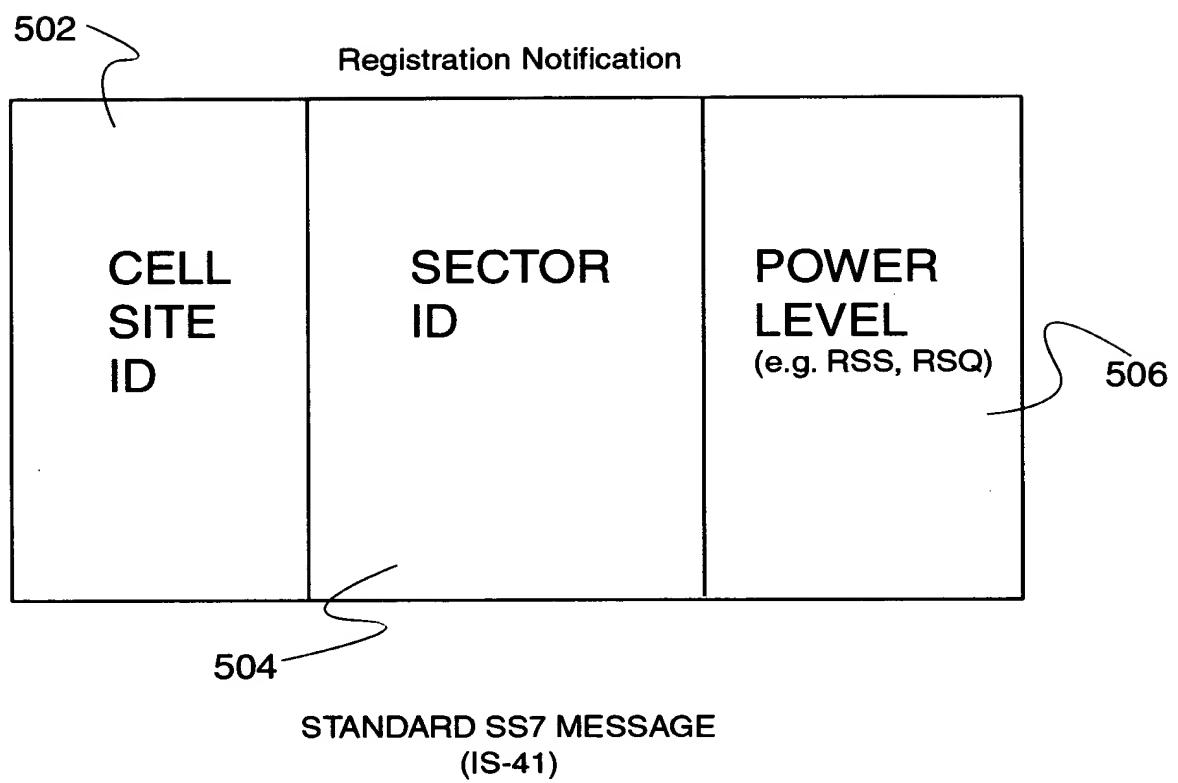


FIG. 5A

RegistrationNotification INVOKE Parameters	
Field	Value
Identifier	SET [NATIONAL18]
Length	variable octets
Contents	
ElectronicSerialNumber	
MobileIdentificationNumber	
MSCID (Serving MSC)	
QualificationInformationCode	
SystemMyTypeCode (Serving MSC or VLR)	
AvailabilityType	
BorderCellAccess	
ControlChannelData	
ExtendedMSCID (VLR)	
LocationAreaID	
PC_SSN (Serving MSC or VLR)	
ReceivedSignalQuality	
ReportType	
SenderIdentificationNumber	
SMS_Address	
SMS_MessageWaitingIndicator	
SystemAccessData	
SystemAccessType	
SystemCapabilities	
TerminalType	
TransactionCapability	

RegistrationNotification INVOKE Parameters

FIG. 5B (Prior Art)

Mobile Subscriber Inactive

**Shut Down
Alert**

**STANDARD SS7 MESSAGE
(IS-41)**

FIG. 6

IP Address	Mobile ID	Presence Time/ Date	Location
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IP MESSAGE TO APPLICATION SERVER
(e.g., to Chat Server)

FIG. 7A

IP Address	Mobile ID	Log	Presence Time/Date	Location
		#1		
		#2		
		#3		
		#4		
		#5		
		#6		

IP MESSAGE TO APPLICATION SERVER

FIG. 7B

SAMPLE OF TABLE

MSID	ACTIVE Y/N	LAST DATE/TIME	PARAMETER 1	PARAMETER 2	PARAMETER 3
COMPARE FIELD	Y	N	Y	N	Y
SEND FIELD	Y	Y	Y	Y	Y
9083067462	Y	120314520000	XX	YY	ZZ

FIG. 8

SAMPLE DECISION TREE

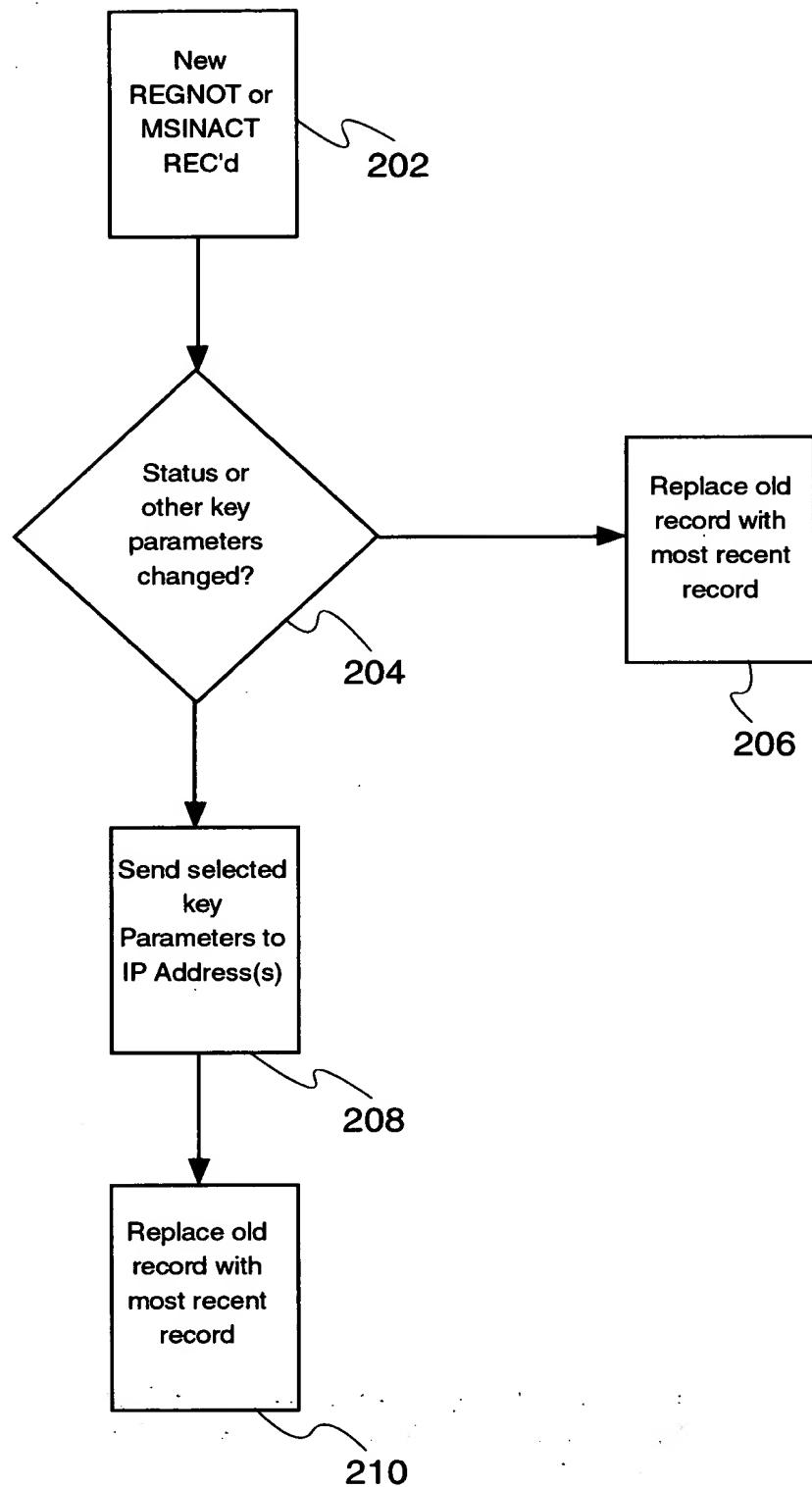


FIG. 9

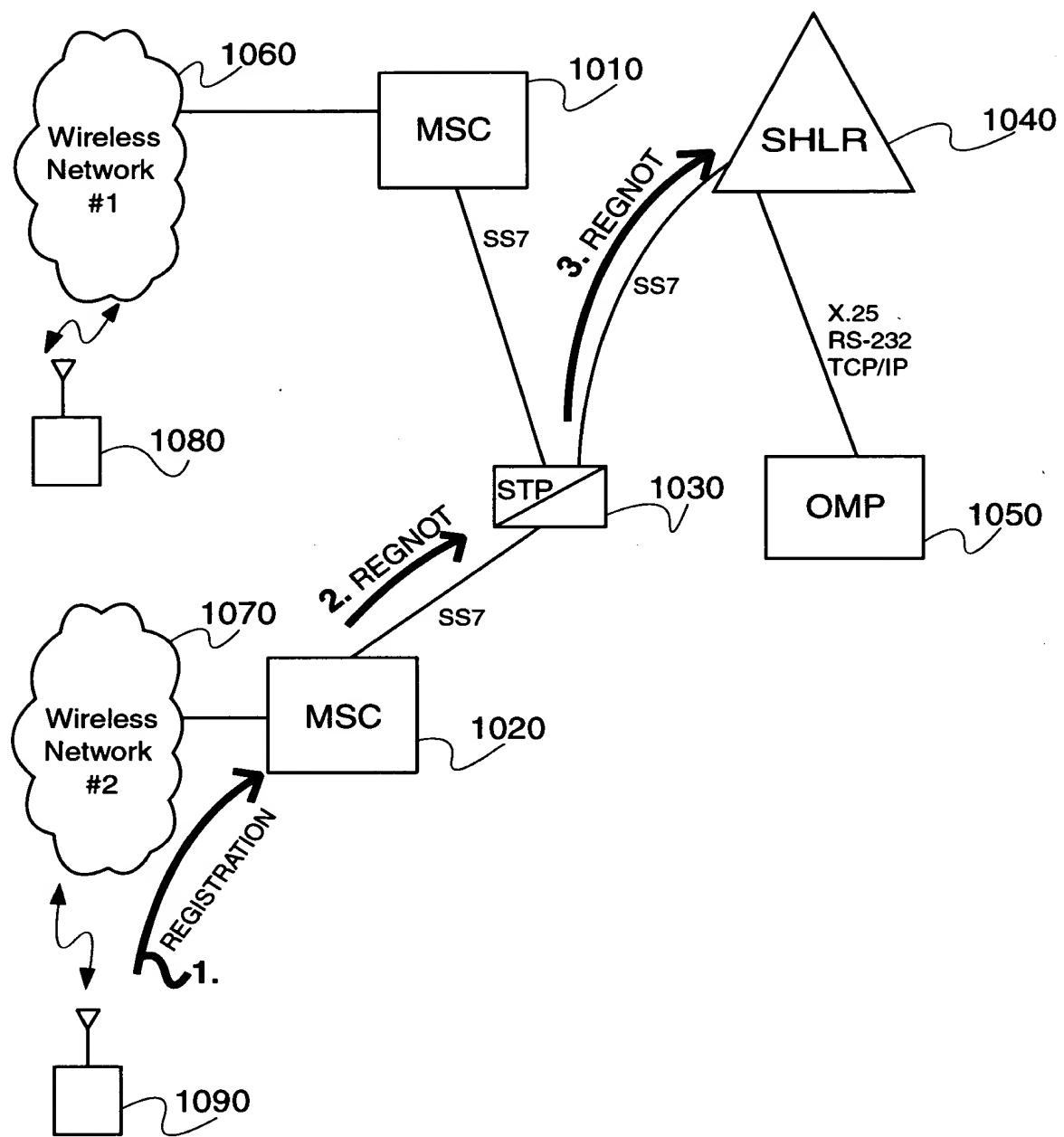


FIG. 10

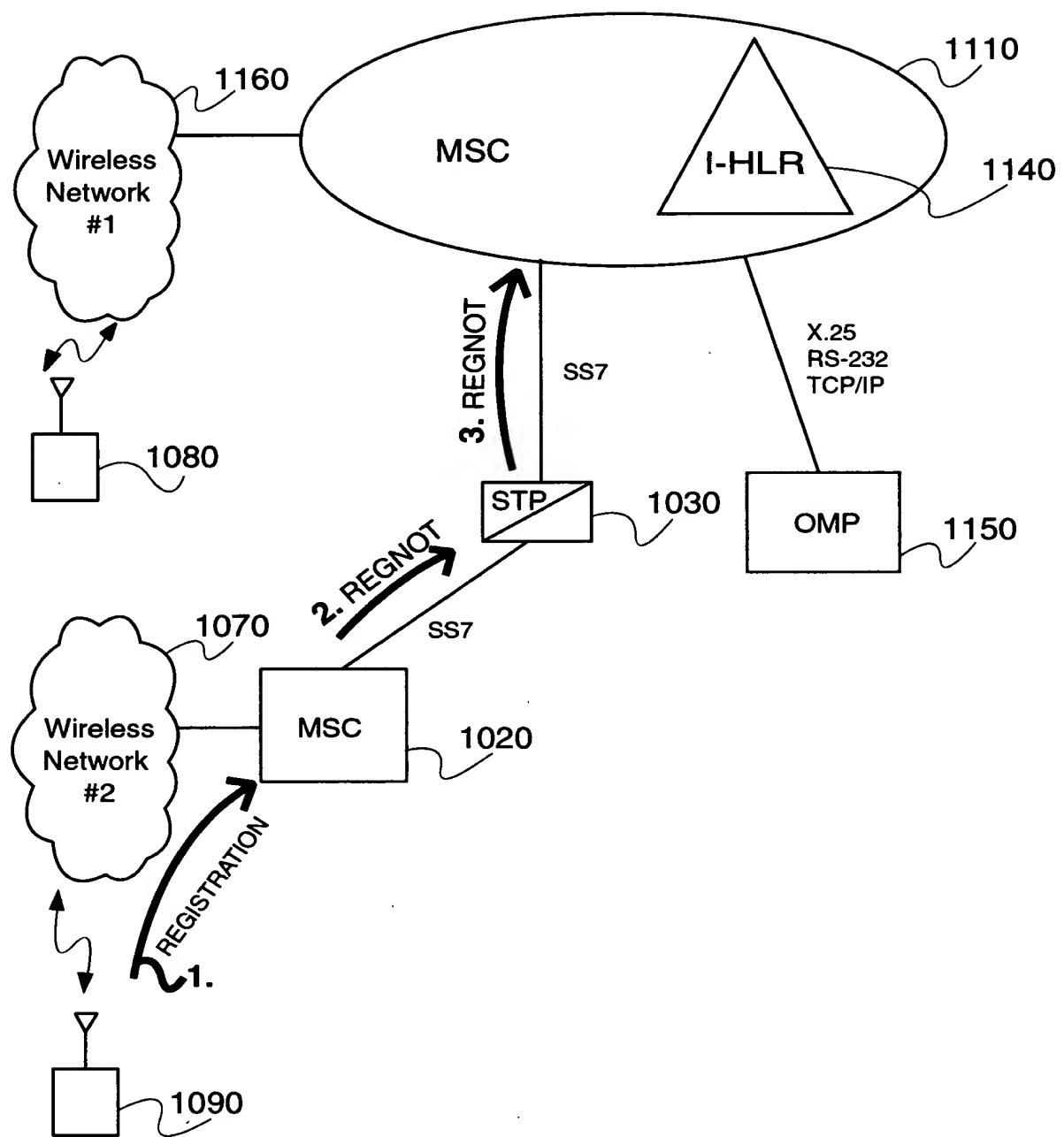


FIG. 11